October 26, 2018

Director

Air and Toxics Technical Enforcement Program

Office of Enforcement, Compliance, and Environmental Justice

Mail Code 8ENF-AT

1595 Wynkoop Street

Denver, CO 80202-1129

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NOV 5 - 2018

Office of Enforcement, Compliance and Environmental Justice

Subject: CY2018 NSPS Subpart OOOOa Annual Report for Peak Powder River Resources, LLC Facilities in Campbell and Johnson Counties, WY

To whom it may concern,

Peak Powder River Resources, LLC, (Peak) is submitting the enclosed New Source Performance Standard (NSPS) Subpart OOOOa Annual Report pursuant to 40 CFR §60.5420a(b) for nineteen (19) Peak wells located in Campbell and Johnson Counties in Wyoming. This report covers the period from August 2, 2017 thru August 1, 2018. This submittal includes the following information required by 40 CFR 60.5420a(b):

- General site information for each well subject to OOOOa;
- Records of each well completion operation for each well-affected facility;
- Records of each fugitive leak monitoring survey; and
- A certification by a certifying official of truth, accuracy, and completeness.

As required by 40 CFR 60.4(a) and (b), this report has been sent to the Director of the EPA Region VIII Regional Office and the Air Quality Division of the Wyoming Department of Environmental Quality.

If you have any questions or need to contact me, please call 307.231.0755 or email Ewert@colopeaks.com.

Sincerely,

Daneka Ewert Environmental Manager

Peak Powder River Resources, LLC.

cc: WDEQ - Air Quality Division, Herschler Building, 122 West 25th Street, Cheyenne, WY, 82002 (1 copy)

Enclosures:

2018 NSPS Subpart OOOOa Annual Report

Certification of Truth, Accuracy, and Completeness



OMB No. 2060-0336, Approval Expires 05/31/2019

Federal Operating Permit Program (40 CFR Part 71)
CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS (CTAC)

This form must be completed, signed by the "Responsible Official" designated for the facility or emission unit, and sent with each submission of documents (i.e., application forms, updates to applications, reports, or any information required by a part 71 permit).

A. Responsible Official	
Name: Ewert	<u>Daneka</u>
Title Environmental Manager	
Street or P.O. Box 1910 Main Avenue	
City Durango	State CO ZIP 81301 -
Telephone (307) 231 - 0755 Ext.	Facsimile ()
B. Certification of Truth, Accuracy and (responsible official)	Completeness (to be signed by the
I certify under penalty of law, based on info inquiry, the statements and information cor and complete. (b) (6)	ormation and belief formed after reasonable intained in these documents are true, accurate
Name (signed) ;	
Name (typed) Daneka Ewert	Date: <u>3161_2018</u>

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After Septe For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports:

	-			SITE INFORMATION			
Facility Record No.  (Field value will automatically generate if a value is not entered.)	Company Name * (§60.5420a(b)(1)(i))	Facility Site Name * (§60.5420a(b)(1)(i))	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i))	Address of Affected Facility * (§60.5420a(b)(1)(i))	Address 2	City *	County *
	e.g.: ABC Company	e.g.: XYZ Compressor Station	e.g.: 12-345-67890-12	e.g.: 123 Main Street	e.g.: Suite 100	e.g.: Brooklyn	e.g.: Kings Cou
1	Peak Powder River Reso	Atwood Laur State 1-3	(49-005-62952				Campbell
2	Peak Powder River Reso	Atwood Laur 2-19H	49-005-62309				Campbell
3	Peak Powder River Reso	Atwood Laur 2-19TH	49-005-62307				Campbell
4	Peak Powder River Reso	Bridle Bit 1-28PH	49-005-62763				Campbell
5	Peak Powder River Reso	Bridle Bit 1-28TH	49-005-61935				Campbell
6	Peak Powder River Reso	Dry Fork 1-19H	49-019-30159				Johnson
7	Peak Powder River Reso	Iberlin 1-6H	49-005-62813				Campbell
8	Peak Powder River Reso	Iberlin 1-6TH	49-005-62460				Campbell
9	Peak Powder River Reso	Iberlin 2-7H	49-005-62479				Campbell
10	Peak Powder River Reso	berlin 2-7TH	49-005-62482				Campbell
11	Peak Powder River Reso	Iberlin 1-8-5H	49-005-61597				Campbell
12	Peak Powder River Reso	Iberlin 1-8TH	49-005-62471				Campbell
13	Peak Powder River Reso	Iberlin 1-16H	49-005-62884				Campbell
14	Peak Powder River Reso	Iberlin 1-24-13H	49-005-63022				Campbell
15	Peak Powder River Reso	Iberlin 1-24TH	49-005-63020				Campbell
16	Peak Powder River Reso	Nine Mile 2-34TH	49-005-62667				Campbell
17	Peak Powder River Reso	Roush Fed 1-1TH	49-005-62108				Campbell
18	Peak Powder River Reso	Suchan Fed 1-15H	49-005-62072				Campbell
	Peak Powder River Reso		49-005-62070				Campbell

State Abbreviation *	Zip Code *	Responsible Agency Facility ID (State Facility Identifier)	Description of Site Location (§60.5420a(b)(1)(i))	Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii))
e.g.: NY	e.g.: 11221		e.g.: 7 miles NE of the intersection of Hwy 123 and	e.g.: 34.12345	e.g.: -101.12345	e.g.: 01/01/2016
			Hwy 456		c.g., 101,12343	
WY			SE1/4SE1/4 of Section 25, T43N,	(b) (9)		6/11/201
VY			SE1/4SW1/4 of Section 19, T43N			8/2/201
VY			SE1/4SW1/4 of Section 19, T43N			8/2/201
VY			SE1/4SW1/4 of Section 28, T42N			8/2/201
VY			SE1/4SW1/4 of Section 28, T42N			8/2/201
VY			SE1/4SE1/4 of Section 19, T43N,			8/2/201
VY			NW1/4NW1/4 of Section 7, T42N			8/2/201
VY			NW1/4NW1/4 of Section 7, T42N			8/2/201
VY			NW1/4NW1/4 of Section 7, T42N			8/2/201
VY			NW1/4NW1/4 of Section 7, T42N			8/2/201
VY	F028147		SW1/4SE1/4 of Section 8, T42N,			12/5/201
VY	F028147		SW1/4SE1/4 of Section 8, T42N,			12/10/201
VY			SW1/4SE1/4 of Section 16, T42N			8/2/201
VY	of Section 24	, T42N, R75W	, approx. 2 miles SW of Pine Tree			2/22/201
VY	of Section 24	, T42N, R75W	, approx. 2 miles SW of Pine Tree			2/22/201
VY			SW1/4SW1/4 of Section 34, T428			6/18/201
VY			NE1/4NE1/4 of Section 1, T42N,			8/2/201
VY			SW1/4SW1/4 of Section 15, T421			8/2/201
			SW1/4SW1/4 of Section 15, T421			8/2/201

FORMATION	PE Certification	ADDITION	AL INFORMATION	
Ending Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (§60.5420a(b)(12))  Please provide only one file per record.		Enter associated file name reference.	
e.g.: 06/30/2016	e.g.: Certification.pdf or		e.g.: addlinfo.zip or	
	XYZCompressorStation.pdf		XYZCompressorStation	
			.pdf	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	
8/1/2018		N/A	N/A	

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual For each well affected facility, an owner or operator must include the information specified in paragraphs (b)(2)(i) through (iii) of this section in all annual reports:

			560.5432a Low Pressure Wells	All Well Completions	
Facility Record No.  (Select from dropdown list - may need to scroll up )	United States Well Number* (§60.5420a(b)(1)(ii))	Records of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements specified in § 60.5375a. *  (§60.5420a(b)(2)(ii) and §60.5420a(c)(1)(ii))	Please provide the file name that contains the Record of Determination and Supporting Inputs and Calculations * (§60.5420a(b)(2)(iii) and §60.5420a(c)(1)(vii)) Please provide only one file per record.	Well Completion ID * (§60.5420a(b)(2)(i) and §60,5420a(c)(1)(i))	Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))
	e.g.: 12-345-67890-12	e.g.: On October 12, 2016, a separator was not onsite for the first 3 hours of the flowback period.	e.g.: lowpressure.pdf or XYZCompressorStation.pdf	e.g.: Completion ABC	e.g.: 34 12345 latitude, 301 12345 loneitude b) (9)
1	49-005-62952	N/A	N/A	Atwood Laur State 1-36TH Completion	b) (b)
11	49-005-61597	N/A	N/A	Iberlin 1-8-5H Completion	
12	49-005-62471	N/A	N/A	Iberlin 1-8TH Completion	
	49-005-63022	N/A	N/A	Iberlin 1-24-13H Completion	
	49-005-63020	N/A	N/A	Iberlin 1-24TH Completion	
16	49-005-62667	N/A	N/A	Nine Mile 2-34TH Completion	

## Well Affected Facilities Required to Comply w

Following Hydraulic	Time of Onset of Flowbac Following Hydraulic Fracturing or Refracturing 4 (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-{8)	Date of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Time of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Date of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Time of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(8))	Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))
e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16
e.g.: 10/16/16 6/10/2018				and the second	e.g.: 10 a.m.	e.g.: 10/16/16 6/18/2018
	8:00 AM	6/10/2018	4:00 AM	None		6/18/2018
6/10/2018	8:00 AM 11:00 PM	6/10/2018 6 12/8/2017	4:00 AM 11:00 PM	None None	N/A	6/18/2018 12/19/2017
6/10/2018 12/8/2017	8:00 AM 11:00 PM 2:00 PM	6/10/2018 A 12/8/2017 A 12/10/2017	4:00 AM 11:00 PM 2:00 PM	None None	N/A N/A	
12/8/2017 12/10/2017	8:00 Ah 11:00 Ph 2:00 Ph 7:00 Ah	6/10/2018 A 12/8/2017 A 12/10/2017 A 2/20/2018	4:00 AM 11:00 PM 2:00 PM 7:00 AM	None None None	N/A N/A N/A	6/18/2018 12/19/2017 12/19/2017

## rith §60.5375a(a) and §60.5375a(f)

Time Well Shi Flowback Equ Permanently Dis or the Stan Productio (§60.5420a(b) §60.5420a(c)(1)	uipment sconnected tup of on * (2)(i) and	Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Recovery in Hours  (Not Required for Wells Complying with \$60.5375a(f) ) {\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A))	Disposition of Recovery * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Combustion in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Venting in Hours * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)- (B))
e.g.: 10 a.m.		e.g.: 5	e.g.: 5	e.g.: Used as onsite fuel	e.g.: 5	e.g.: 5
	12:00 AM	189	77	Sent to sales line	189	(
	12:00 AM	241	83	Sent to sales line	158	(
		202	82	Sent to sales line	120	
	12:00 AM	202				
	12:00 AM 12:00 AM	129		No measurable gas	0	1
			0	No measurable gas Insufficient quantities for s		

			Exceptions U	nder §60.5375a(a)(3) - Tec
Reason for Venting in lieu of Capture or Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Specific Exception Claimed (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Starting Date for the Period the Well Operated Under the Exception * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iv))	Ending Date for the Perior the Well Operated Under the Exception * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iv))
init was available at the time of	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: Technical infeasibility under 60.5375a(a)(3)	e.g.: 10/16/2016	e.g.: 10/18/2016
N/A	(b) (9)	Technical infeasibility under	6/10/2018	6/17/201
I/A		Technical infeasibility under	12/8/2017	12/19/201
/A		Technical infeasibility under		
/A		Technical infeasibility under		
I/A		Technical infeasibility under	2/22/2018	2/26/201

nically Infeasible to Route to the Gas Flow Line or Collection System, Re-inject into a Well, Use as an Onsite Fuel Source, or Use for Another Useful Purpose Served By a Purchased

Why the Well Meets the Claimed Exception * (§60.5420a(c)(1)(iv))	Name of Nearest Gathering Line * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(B))	Location of Nearest Gathering Line * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Technical Considerations Preventing Routing to this Line  (960.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Capture, Reinjection, and Reuse Technologies Considered * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))
e.g.: As further described in this report, technical sissues prevented the use of the gas for useful purposes.	e.g.: ABC Line	e.g.: 100 miles away at 34.12345 latitude, -101.12345 longitude	e.g.: right of use	e.g.: on-site generators
Gas of suitable quality was sent to sales line, poor qua	ali Thunder Creek Gas Service:	On site	Poor gas quality	Gas treatment including dehy
Gas of suitable quality was sent to sales line, poor qua	ali Western Gas Resources	On site	Poor gas quality	Gas treatment including dehy
Gas of suitable quality was sent to sales line, poor qua	ali Western Gas Resources	On site	Poor gas quality	Gas treatment including dehy
Well did not produce enough gas to flare or to be rou	te Thunder Creek Gas Services	On site	Insufficient quantities	Gas treatment including dehy
	Thunder Creek Gas Services	On site	Insufficient quantities for sales	Gas treatment including dehy
insufficient quantities for sales	funder cleek ggg getalce:	OH SICE	the state of the s	man binganigite mengani B mani

Fuel or Raw Material					
Aspects of Gas or Equipment Preventing Use of Recovered Gas as a Fuel Onsite * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A}-(B))	Technical Considerations Preventing Use of Recovered Gas for Other Useful Purpose * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Additional Reasons for Technical Infeasibility * (§60.5420a(b)(2)(I) and §60.5420a(c)(1)(iii)(A)-{B})	Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	(§60.5420a(b)(2)(i) and	Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A) and (C))
e.g.: gas quality	e.g. gas quality	e.g. well damage or clean-up	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: 10/16/16	e.g.: 10 a.m.
No equipment on site capab	Poor gas quality	None	N/A	N/A	N/A
No equipment on site capab	Poor gas quality	None	N/A	N/A	N/A
No equipment on site capab	Poor gas quality	None	N/A	N/A	N/A
No equipment on site capab	Poor gas quality	Insufficient quantities	N/A	N/A	N/A
No equipment on site capab	Poor gas quality, insufficient qui	a None	N/A	N/A	N/A
	Poor gas quality, insufficient qua	a None	N/A	N/A	N/A

## Well Affected Facilities Meeting the Criteria of §60.5375a(a)(1)(iii)(A) - Not Hydraulically Fractured/Refractured with Liquids or Do Not Generate Condensate, Intermedia

Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (560.5420a(b)(2)(i) and 560.5420a(c)(1)(iii)(A) and (C))	(§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)	Duration of Combustion in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Duration of Venting in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Reason for Venting in lieu of Capture Combustion * {§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))
e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 5	e.g.; 5	e.g.; 5	e.g: No onsite storage or combustion unit was available at the time of completion.
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
.,	14/75	14/15	14/15	19/75	11/1-1
N/A	N/A	N/A		N/A	N/A

### te Hydrocarbon Liquids, or Produced Water (No Liquid Collection System or Seperator Onsite)

Does well still meet the conditions of \$60.5375a(1)(iii)(A)?* (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(C)(2))	If applicable Date Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	If applicable: Time Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2 ))	If applicable: Date Separator Installed  ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2 ))	If applicable: Time Separator Installed • ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	Are there liquids collection at the well site? Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.  ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(3))
e.g.: Yes	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.; No
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A

Well Affected Facilities Required to Comply with Both §60.5375a(a)(1) and (3) Using a Digital Photo in lieu of Records Required by §60.5420a(c)(1)(i) through (iv)	Well Affected Facilities	s Meeting the Criteria of §60.5375a(g) - <	300 scf of Gas per Stock Tank Barrel of Oil Produced
Please provide the file name that contains the Digital Photograph with Date Taken and Latitude and Longitude Imbedded (or with Visible GPS), Showing Required Equipment (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(v)) Please provide only one file per record.	Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(B))	Please provide the file name that contains the Record of Analysis Performed to Claim Well Meets §60.5375a(g), Including GOR Values for Established Leases and Data from Wells in the Same Basin and Field * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(A)) Please provide only one file per record.	Does the well meet the requriements of §60.5375a(g)? Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(C))
e.g.: completion1.pdf or XYZCompressorStation.pdf	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: GORcalcs.pdf or XYZCompressorStation.pdf	e.g.: Yes
N/A	N/A	N/A	N/A
400	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
N/A	N/A	N/A	N/A

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After Septem For the collection of fugitive emissions components at each compressor station within the com

The asterisk (\*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Identification of Each Affected Facility * (§60.5420a(b)(1))	Date of Survey * (§60.5420a(b)(7)(i))	Survey Begin Time * (§60.5420a(b)(7)(ii))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * (§60.5420a(b)(7)(iii))	Ambient Temperature During Survey * (\$60.5420a(b)(7)(iv))
	e.g.: Well Site ABC	e.g.: 8/13/17	e.g.: 10:00 am	e.g.: 1:00 pm	e.g.: John Smith	e.g.: 90°F
2	Atwood Laur 2-19H	9/27/2017	8:24 AM	9:47 AM	(b) (6)	48 °F
3	and 2-19TH Well Pad	6/14/2018	9:50 AM	10:53 AM		82 °F
4	Bridle Bit 1-28PH	12/5/2017	8:00 AM	9:00 AM		20 °F
. 5	and Bridle Bit 1- 28TH Well Pad	6/13/2018	6:28 PM	7:22 PM		88 °F
6		9/28/2017	11:49 AM	12:45 PM		65 °F
	Dry Fork 1-19H	6/14/2018	5:35 PM	6:24 PM		90 °F
7		12/5/2017	11:58 AM	1:20 PM		30 °F
9	Iberlin 1-6H, 1-6TH, 2-7H, and 2-7TH Well Pad					

10		6/14/2018	11:02 AM	12:38 PM	(b) (6)	91"4
11	Iberlin 1-8-5H and Iberlin 1-8TH Well Pad	3/13/2018	8:30 AM	11:10 AM		27 <b>"</b> F
	lberlin 1·16H	9/27/2017	3:14 PM	4:11 PM		64 °F
13	idenii 1-10n	6/14/2018	3:00 PM	3:44 PM		95 °F
14 15	lberlin 1-24-13H and Iberlin 1-24TH Well Pad	3/13/2018	11:20 AM	12:20 PM		42 °F
17		9/26/2017	3:28 PM	4:28 PM		57 *F
	Roush Fed 1-1TH	6/14/2018	7:34 AM	8:36 AM		75 °F
18	Suchan Fed 1-15H	9/28/2017	4:14 PM	5:26 PM		66 °F
19	and Suchan Fed 1- 15TH Well Pad	6/14/2018	1:4 <b>5 PM</b>	2:58 PM		100 °F

sky Conditions During Survey * (§60.5420a(b){7)(iv)}	Maximum Wind Speed During Survey * (§60.5420a(b)(7)(iv))	Monitoring Instrument Used * (§60.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Number of Each Componen Type for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))
.g.: Sunny, no clouds	e.g.: 2 mph	e.g.: Company ABC optical gas imaging camera	e.g.: None	e.g.; Valve	e.g.:3
				Flange	1
		B10 6 14-4-1		Gauge	1
Clear sky, cloudless	3 mph	FLIR Camera Model #GF320	None	Valves	2
				Pipe Fittings	1
				Recycle Pump	1
				Whistler on Tank	1
Partly Cloudy - Scattered, 10-50%	10 mph	FLIR Camera Model #GF320	None	Pipe Fittings	1
Partly Cloudy - Scattered, 10-50%		FLIR Camera Model #GF320	None	Whistler Valve	1
	13 mph				
			R Camera Model #GF320 None	Controllers	3
		FLIR Camera Model #GF320		Thief Hatch	1
Clear sky, cloudless	3 mph			Pipe Fittings	1
				Valve	1
Partly Cloudy -		FLIR Camera Model		Oil Load Out	1
Scattered, 10-50%	6 mph	#GF320	None	Pipe Fittings	1
				Valve	1
Partly Cloudy -	E4	FLIR Camera Model		Tank Manway	1
Broken, 50-90%	12 mph	#GF320	None		+
					-
				Valve	1
Partly Cloudy	14 mph	FLIR Camera Model	None		
. a. a., cloudy	2.5.11011	#GF320			
					i
				Whistler on Tank	2
				Connectors	4

Partly Cloudy - Scattered, 10-50%	16 mph	FLIR Camera Model #GF320	None	Compressor Meter	1
				Tank Load Out	1
					-
			Initial monitoring survey for Iberlin 1-8-5H occurred 98	Connectors	1
		FLIR Camera Model #GF320	days after startup of production.	Whistler on Tank	1
Clear sky, cloudless	5 mph		Initial monitoring survey for Iberlin 1-8TH occurred 93	Pipe Fittings	3
in the second			days after startup of	<u>-</u>	· ·
			production.	Combustor Hammer Union	. 1
Partly Cloudy -	3	FUR Camera Model	None	Tank Sight Glass	1
Scattered, 10-50%	2 mph	#GF320	None	Valve	1
				Connectors	1
Partly Cloudy -	13 mph	FLIR Camera Model	None	Whistler on Tank	1
Broken, 50-90%	13 (11)	#GF320	None	Flange	1
				-	•
				Whistler on Tank	1
		FLIR Camera Model		•	
Clear sky, cloudless	7 mph	#GF320	None	•	
					•
				Pipe Fittings	1
Partly Cloudy -	5 mph	FLIR Camera Model	None	Thief Hatch	1
Broken, 50-90%	2 mpn	#GF320	None		
}				· 	· 
				Thief Hatch Bolt	2
				Valve	1
Partly Cloudy - Scattered, 10-50%	6 mph	FLIR Camera Model #GF320	None	Connectors	2
				Combustor Hammer Union	1
				Whistler on Tank	1
				Pipe Fittings	1
Partly Cloudy -		FLIR Camera Model		Thief Hatch	3
Scattered, 10-50%	2 mph	#GF320	None	Valve	1
				•	•
}		<b></b>		Separator Sight Glass	1
				Valve	1
Partly Cloudy -	11 mph	FLIR Camera Model	None	Meter Hammer Union	1
Scattered, 10-50%	a a trigiti	#GF320		Whistler on Tank	1
				Tank Vents Open	2
				· una venta open	*

Type of Component Not Repaired as Required in §60.5397a(h) * (§60.5420a(b)[7)(viii))	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (§60.5420a(b)(7)(viii))	Type of Difficult-to- Monitor Components Monitored * (§60.5420a(b)(7)(ix))	Number of Each Difficult- to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Type of Unsafe-to- Monitor Component Monitored * (\$60.5420a(b)(7)(ix))	Number of Each Unsafe to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))
g.: Valve	e.g:1	e.g.: Valve	e.g.: 1	e.g.:Valve	e.g.: 1
					-
				-	
	*		1.4		
-				-	
		3-PH Heater Treater	20	Pneumatic Controllers	7
Whistler on Tank	1	3-PH HP Separator	4		
	4	2-PH Free Water Knockout	15		-
-		Fittings on Tank Vapor Piping	12		
-		Inlet Fittings of Heater Treater	14		
	-				
	- 4				
	-	3-PH Heater Treater	20	Pneumatic Controllers	3
		2-PH Free Water Knockout	5	-	
	-	Fittings on Tank Vapor Piping	11	-	-
4		Inlet Fittings of Heater Treater	14		
				No Unsafe-to-Monitor	N/A
4.1				Components	
	L			L	
		3-PH Heater Treater	10		
		2-PH Free Water Knockout	5	No Unsafe-to-Monitor	21/2
		Fittings on Tank Vapor Piping	5	Components	N/A
		Inlet Fittings of Heater Treater	7		
	-				
				No Unsafe-to-Monitor	N/A
				Components	N/A
			•		
Whistler on Tank	2	3-PH Heater Treater	40		
		3-PH HP Separator	8		

1		2-PH Free Water	<del></del>	No Unsafe-to-Monitor	1
•	•	Knockout	20	Components	N/A
	-	Fittings on Tank Vapor	22		
		Piping Inlet Fittings of Heater			
•	-	Treater	28	<u></u>	
	•	3-PH Heater Treater	20		
_	- -	2-PH Free Water	15		
		Knockout Fittings on Tank Vapor		No Unsafe-to-Monitor Components	N/A
•	•	Piping	8	Components	
		Inlet Fittings of Heater	14		
		Treater			_
•	•	·	•		
	•		•	No Unsafe-to-Monitor	N/A
				Components	177
	· - <del></del>	·			
	· ·	3-PH Heater Treater	10		
	-	2-PH Free Water Knockout	5	No Unsafe-to-Monitor	
· -		Fittings on Tank Vapor	5	Components	N/A
	•	Piping			
	-	Inlet Fittings of Heater Treater	7		
	•	3-PH Heater Treater	20		
	,	2-PH Free Water			
-	•	Knockout	15	No Unsafe-to-Monitor	N/A
•	•	Fittings on Tank Vapor	8	Components	'''^
		Piping Inlet Fittings of Heater			
•	•	Treater	14		
	-	-	-		
				No Unsafe-to-Monitor	
		·- <del></del>		Components	N/A
		· · · · · · · · · · · · · · · · · · ·			
		<del>-</del>	·		
•	•	3-PH Heater Treater	10		
		3-PH HP Separator	4		
		2-PH Free Water		No Unsafe-to-Monitor	
•	•	Knockout	10	Components	N/A
		Fittings on Tank Vapor	14		
	,	Piping Inlet Fittings of Heater	· · - <del></del> · -		
·	•	Treater	7		
-		-	•		
			_		
-	•	•	•	•	-
•	•	•	•	•	•
}		2011			
•	-	3-PH Heater Treater	30	Pneumatic Controllers	21
Valve	1	3-PH HP Separator	8	•	
Meter Hammer Union	1	2-PH Free Water	25		
increa riammer dimon	*	Knockout Fittings on Tank Vapor	2.3		
•	•	Piping Piping	19	·	•
	•	Inlet Fittings of Heater	21		
L		Treater	<u></u>		

ł

rate of Successful Repair of Fugitive Emissions Component * (560.5420a(b)(7)(x))	Type of Component Placed on Delay of Repair * (§60.5420a(b){7}(xi))	Number of Each Component Type Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Explanation for Delay of Repair * (§60.5420a(b)(7)(xi))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey * (§60.5420a(b)(7)(xii))
:: 11/10/16	e.g.: Valve	e.g.:1	e.g.: Unsafe to repair until next shutdown	e.g.: Company ABC optical ga- imaging camera
10/3/2017				Method 21 Alternative Screening Procedure 8.3.3
10/3/2017				Method 21 Alternative Screening Procedure 8.3.3
10/3/2017		-	-	Method 21 Alternative Screening Procedure 8.3.3
10/3/2017	17			Method 21 Alternative Screening Procedure 8.3.3
				Method 21 Alternative
6/18/2018		-	-	Screening Procedure 8.3.3
7/18/2018	Whistler on Tank	1	Parts on backorder	Method 21 Alternative Screening Procedure 8.3.3
6/18/2018				Method 21 Alternative Screening Procedure 8.3.3
1/7/2018				Method 21 Alternative Screening Procedure 8.3.3
6/19/2018				Method 21 Alternative Screening Procedure 8.3.3
6/19/2018				Method 21 Alternative Screening Procedure 8.3.3
6/19/2018	-		-	Method 21 Alternative Screening Procedure 8.3.3
4				*
9/28/2017				Method 21 Alternative
9/28/2017				Screening Procedure 8.3.3 Method 21 Alternative
9/28/2017				Screening Procedure 8.3.3 Method 21 Alternative
				Screening Procedure 8.3.3
6/14/2018				Method 21 Alternative Screening Procedure 8.3.3
6/14/2018				Method 21 Alternative Screening Procedure 8.3.3
12/7/2017		-		Method 21 Alternative Screening Procedure 8.3.3
				screening Processore 0.3.3
			-	
7/30/2018	Whistler on Tank	2	Parts on backorder	Method 21 Alternative Screening Procedure 8.3.3
6/16/2018				Method 21 Alternative

<del></del>	T ·		I	Method 21 Alternative
6/16/2018	•	-	•	Screening Procedure 8.3.3
6/16/2018				Method 21 Alternative
· · · · · · · · · · · · · · · · · · ·		<del></del> -		Screening Procedure 8.3.3
·	·	·	·	-
3/13/2018				Repaired During Original Survey
3/21/2018		-	•	Method 21 Alternative Screening Procedure 8.3.3
3/21/2018				Method 21 Alternative Screening Procedure 8.3.3
•		•	•	
9/29/2017				Method 21 Alternative Screening Procedure 8.3.3
9/29/2017	<del> </del>		- -	Method 21 Alternative
9/29/2017	d - ·		<u>.</u>	Screening Procedure 8.3.3 Method 21 Alternative
•	· · ·		<del></del>	Screening Procedure 8.3.3
7/18/2018			·	Method 21 Alternative
7/18/2018			<u> </u>	Screening Procedure 8.3.3 Method 21 Alternative
7/10/2010				Screening Procedure 8.3.3 Method 21 Alternative
7/18/2018	•	-	•	Screening Procedure 8.3.3
•		•	-	
7/18/2018	Whistler on Tank	1	Parts on backorder	Method 21 Alternative Screening Procedure 8.3.3
	•	•	•	•
		<del></del>	<del></del>	
•	•	·	<u> </u>	·
•		-		
9/30/2017		•		Method 21 Alternative Screening Procedure 8.3.3
9/30/2017				Method 21 Alternative Screening Procedure 8.3.3
		· - ·	<u></u>	- Screening Procedure 0.3.5
	•			•
			<del>-</del>	Method 21 Alternative
6/22/2018	•	•	·	Screening Procedure 8.3.3
6/22/2018	-	-	·	Method 21 Alternative Screening Procedure 8.3.3
6/22/2018	-	•		Method 21 Alternative Screening Procedure 8.3.3
6/22/2018	_	•		Method 21 Alternative
				Screening Procedure 8.3.3 Method 21 Alternative
7/17/2018	Whistler on Tank	1	Parts on backorder	Screening Procedure 8.3.3
9/28/2017		-		Repaired During Original Survey
10/14/2017				Method 21 Alternative Screening Procedure 8.3.3
10/14/2017		-		Method 21 Alternative Screening Procedure 8.3.3
-				+
<u>-</u>			ļ	
6/18/2018	•	•		Method 21 Alternative Screening Procedure 8.3.3
7/17/2018	Valve	1	Needed well shut down	Method 21 Alternative Screening Procedure 8.3.3
7/17/2018	Meter Hammer Union	1	Needed well shut down	Method 21 Alternative Screening Procedure 8.3.3
6/18/2018				Method 21 Alternative
		_		Screening Procedure 8.3.3
6/14/2018		<u>.                                    </u>	<u> </u>	None, tanks were closed

OGI	Compressor Station Affected Facility Only			
Training and Experience of Surveyor * (§60.5420a(b)(7)(iii))	Was a monitoring survey waived under § 60.5397a(g)(5)? * (§60.5420a(b)(7))	If a monitoring survey was waived, the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived. *  (§60.5420a(b)(7))		
e.g.: Trained thermographer; completed 40-hour course at CYZ Training Center. Has 10 years of experience with OGI urveys.	e.g.: Yes	e.g.: January; February; and March		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FUR Optical Gas Imaging Camera at	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations				

each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A	
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A	
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A	
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A	
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A	
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A	
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A	
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A	
Method 9 certifled since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A	

October 26, 2018

Director
Air and Toxics Technical Enforcement Program
Office of Enforcement, Compliance, and Environmental Justice
Mail Code 8ENF-AT
1595 Wynkoop Street
Denver, CO 80202-1129

Subject: CY2018 NSPS Subpart OOOOa Annual Report for Peak Powder River Resources, LLC Facilities in Campbell and Johnson Counties, WY

To whom it may concern,

Peak Powder River Resources, LLC, (Peak) is submitting the enclosed New Source Performance Standard (NSPS) Subpart OOOOa Annual Report pursuant to 40 CFR §60.5420a(b) for nineteen (19) Peak wells located in Campbell and Johnson Counties in Wyoming. This report covers the period from August 2, 2017 thru August 1, 2018. This submittal includes the following information required by 40 CFR 60.5420a(b):

- General site information for each well subject to OOOOa;
- Records of each well completion operation for each well-affected facility;
- Records of each fugitive leak monitoring survey; and
- A certification by a certifying official of truth, accuracy, and completeness.

As required by 40 CFR 60.4(a) and (b), this report has been sent to the Director of the EPA Region VIII Regional Office and the Air Quality Division of the Wyoming Department of Environmental Quality.

If you have any questions or need to contact me, please call 307.231.0755 or email Ewert@colopeaks.com.

Sincerely,

Daneka Ewert Environmental Manager Peak Powder River Resources, LLC.

cc: WDEQ – Air Quality Division, Herschler Building, 122 West 25th Street, Cheyenne, WY, 82002 (1 copy)

Enclosures: 2018 NSPS Subpart OOOOa Annual Report

Certification of Truth, Accuracy, and Completeness



OMB No. 2060-0336, Approval Expires 05/31/2019

# Federal Operating Permit Program (40 CFR Part 71) CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS (CTAC)

This form must be completed, signed by the "Responsible Official" designated for the facility or emission unit, and sent with each submission of documents (i.e., application forms, updates to applications, reports, or any information required by a part 71 permit).

A. Responsible Official						
Name: Ewert	Daneka					
Title Environmental Manager						
Street or P.O. Box 1910 Main Avenue						
City Durango	State <u>CO</u> ZIP <u>81301</u>					
Telephone (307) 231 - 0755 Ext.	Facsimile ()					
B. Certification of Truth, Accuracy and Completeness (to be signed by the responsible official)						
I certify under penalty of law, based on information and belief formed after reasonable inquiry, the statements and information contained in these documents are true, accurate and complete.						
Name (signed)						
Name (typed) <u>Daneka Ewert</u>	Date: <u>3410cf1_2018</u>					

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After Septe For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports:

The asterisk (\*) next to each field indicates that the corresponding field is required.

				SITE INFORMATION			
Facility Record No.  (Field value will automatically generate if a value is not entered.)	Company Name * (§60.5420a(b)(1)(i))	Facility Site Name * (§60.5420a(b)(1)(i))	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i))	Address of Affected Facility * (§60.5420a(b)(1)(i))	Address 2	City *	County *
	e.g.: ABC Company	e.g.: XYZ Compressor Station	e.g.: 12-345-67890-12	e.g.: 123 Main Street	e.g.: Suite 100	e.g.: Brooklyn	e.g.: Kings Coun
1	Peak Powder River Res	Atwood Laur State 1-3	49-005-62952				Campbell
2	Peak Powder River Res	Atwood Laur 2-19H	49-005-62309				Campbell
3	Peak Powder River Res	Atwood Laur 2-19TH	49-005-62307				Campbell
4	Peak Powder River Res	Bridle Bit 1-28PH	49-005-62763				Campbell
5	Peak Powder River Res	Bridle Bit 1-28TH	49-005-61935				Campbell
6	Peak Powder River Res	Dry Fork 1-19H	49-019-30159				Johnson
7	Peak Powder River Res	berlin 1-6H	49-005-62813				Campbell
8	Peak Powder River Res	Iberlin 1-6TH	49-005-62460				Campbell
9	Peak Powder River Res	Iberlin 2-7H	49-005-62479				Campbell
10	Peak Powder River Res	Iberlin 2-7TH	49-005-62482				Campbell
11	Peak Powder River Res	berlin 1-8-5H	49-005-61597				Campbell
12	Peak Powder River Resi	Iberlin 1-8TH	49-005-62471				Campbell
13	Peak Powder River Res	berlin 1-16H	49-005-62884				Campbell
14	Peak Powder River Res	berlin 1-24-13H	49-005-63022				Campbell
15	Peak Powder River Res	berlin 1-24TH	49-005-63020				Campbell
16	Peak Powder River Res	Nine Mile 2-34TH	49-005-62667				Campbell
17	Peak Powder River Res	Roush Fed 1-1TH	49-005-62108				Campbell
18	Peak Powder River Res	Suchan Fed 1-15H	49-005-62072				Campbell
19	Peak Powder River Res	Suchan Fed 1-15TH	49-005-62070				Campbell

State Abbreviation *	Zip Code *	Responsible Agency Facility ID (State Facility Identifier)	Description of Site Location (§60.5420a(b)(1)(i))	Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii))
e.g.: NY	e.g.: 11221		e.g.: 7 miles NE of the			e.g.: 01/01/2016
			intersection of Hwy 123 and	e.g.: 34.12345	e.g.: -101.12345	
WY			Hwy 456 SE1/4SE1/4 of Section 25, T43N,	(b) (9)		6/11/201
NY			SE1/4SW1/4 of Section 19, T43N,			8/2/201
NY			SE1/4SW1/4 of Section 19, T43N			8/2/201
NY			SE1/4SW1/4 of Section 28, T42N			8/2/201
NY			SE1/4SW1/4 of Section 28, T42N			8/2/201
NY			SE1/4SE1/4 of Section 19, T43N,			8/2/201
NY			NW1/4NW1/4 of Section 7, T42N			8/2/201
NY			NW1/4NW1/4 of Section 7, T42N			8/2/201
NY			NW1/4NW1/4 of Section 7, T42N			8/2/201
NY			NW1/4NW1/4 of Section 7, T42N			8/2/201
WY	F028147		SW1/4SE1/4 of Section 8, T42N,			12/5/201
NY	F028147		SW1/4SE1/4 of Section 8, T42N,			12/10/201
NY			SW1/4SE1/4 of Section 16, T42N			8/2/201
NY	of Section 24	, T42N, R75W,	approx. 2 miles SW of Pine Tree			2/22/2018
WY	of Section 24	, T42N, R75W,	approx. 2 miles SW of Pine Tree			2/22/2018
VY			SW1/4SW1/4 of Section 34, T421			6/18/201
VY			NE1/4NE1/4 of Section 1, T42N,			8/2/201
NY			SW1/4SW1/4 of Section 15, T421			8/2/201
WY			SW1/4SW1/4 of Section 15, T421			8/2/201

Reporting Period.*  (§60.5420a(b)(1)(iii))  closed vent system routing to a control device or process. *  (§60.5420a(b)(12))  Please provide only one file per record.  e.g.: 06/30/2016  e.g.: Certification.pdf or  e.g.: addlinfo.zip or	FORMATION	PE Certification	ADDITION	AL INFORMATION
XYZCompressorStation.pdf   XYZCompressorStation.pdf	Reporting Period.*	that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (§60.5420a(b)(12)) Please provide only one file	any additional	Enter associated file name reference.
.pdf  8/1/2018	e.g.: 06/30/2016	e.g.: Certification.pdf or		e.g.: addlinfo.zip or
8/1/2018       N/A       N/A         8/1/2018       N/A       N/A		XYZCompressorStation.pdf		XYZCompressorStation
8/1/2018       N/A       N/A				.pdf
8/1/2018       N/A       N/A	8/1/2018		N/A	N/A
8/1/2018	8/1/2018		N/A	N/A
8/1/2018	8/1/2018		N/A	N/A
8/1/2018	8/1/2018		N/A	N/A
8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018 N/A N/A 8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018	8/1/2018		N/A	N/A
8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018 N/A N/A 8/1/2018 N/A N/A 8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018 N/A N/A 8/1/2018 N/A N/A	8/1/2018		N/A	N/A
8/1/2018 N/A N/A	8/1/2018		N/A	N/A
				N/A
8/1/2018 N/A N/A	0.00			
	8/1/2018		N/A	N/A

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annua For each well affected facility, an owner or operator must include the information specified in paragraphs (b)(2)(i) through (iii) of this section in all annual reports:

			§60.5432a Low Pressure Wells	All Well Completions	
Facility Record No.  *  (Select from dropdown list - may need to scroll up.)	United States Well Number* (§60.5420a(b)(1)(ii))	Records of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements specified in § 60.5375a. *  (§60.5420a(b){2}(ii) and §60.5420a(c)(1)(ii))	Please provide the file name that contains the Record of Determination and Supporting Inputs and Calculations * (§60.5420a(b)(2)(iii) and §60.5420a(c)(1)(vii)) Please provide only one file per record.	Well Completion ID * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(i))	Well Location * {960.5420a(b)(2}(i) and §60.5420a(c)(1)(iii)(A)-{8})
-	e.g.: 12-345-67890-12	e.g.: On October 12, 2016, a separator was not onsite for the first 3 hours of the flowback period.	e.g.: lowpressure.pdf or XYZCompressorStation.pdf	e.g.: Completion ABC	e.g.: 34.12345 latitude, (b) (9)
1	49-005-62952	N/A	N/A	Atwood Laur State 1-36TH Completion	(0) (0)
11	49-005-61597	N/A	N/A	Iberlin 1-8-5H Completion	
12	49-005-62471	N/A	N/A	Iberlin 1-8TH Completion	
14	49-005-63022	N/A	N/A	Iberlin 1-24-13H Completion	
15	49-005-63020	N/A	N/A	Iberlin 1-24TH Completion	
16	49-005-62667	N/A	N/A	Nine Mile 2-34TH Completion	

## Well Affected Facilities Required to Comply w

Following Hydraulic	Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Date of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Time of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))		Time of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-{B})	Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A)-(B))
e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/15/16
e.g.: 10/16/16 6/10/2018					e.g.: 10 a.m.	e.g.: 10/16/16 6/18/2018
	8:00 AM			None		6/18/2018
6/10/2018	8:00 AM 11:00 PM	6/10/2018	4:00 AM	None None	N/A	6/18/2018 12/19/2017
6/10/2018 12/8/2017	8:00 AM 11:00 PM 2:00 PM	6/10/2018 12/8/2017 12/10/2017	4:00 AM 11:00 PM 2:00 PM	None None	N/A N/A	6/18/2018 12/19/2017 12/19/2017
6/10/2018 12/8/2017 12/10/2017	8:00 AM 11:00 PM 2:00 PM 7:00 AM	6/10/2018 12/8/2017 12/10/2017 2/20/2018	4:00 AM 11:00 PM 2:00 PM 7:00 AM	None None None	N/A N/A N/A	Section 1

## rith §60.5375a(a) and §60.5375a(f)

Flowback Eq Permanently Di or the Star Producti (§60.5420a(b) §60.5420a(c)(1	uipment sconnected rtup of on * )(2)(i) and	Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Recovery in Hours  (Not Required for Wells Complying with §60.5375a(f)) (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A))	Disposition of Recovery * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Combustion in Hours * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(B))	Duration of Venting in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))
a.g.: 10 a.m.		e.g.: 5	e.g.: 5	e.g.: Used as onsite fuel	e.g.; 5	e.g.:5
e.g.: 10 a.m.	12:00 AM	e.g.: 5	**************************************	e.g.: Used as onsite fuel Sent to sales line	e.g.: 5	eg.:5
e.g.: 10 a.m.			77			
.g.: 10 a.m.	12:00 AM	189	77 83	Sent to sales line	189	
.g.: 10 a.m.	12:00 AM 12:00 AM	189 241	77 83 82	Sent to sales line Sent to sales line	189 158	
.g.: 10 a.m.	12:00 AM 12:00 AM 12:00 AM	189 241 202	77 83 82 0	Sent to sales line Sent to sales line Sent to sales line	189 158 120 0	

			Exceptions U	nder §60.5375a(a)(3) - Tecl
Reason for Venting in lieu of Capture or Combustion * (560.5420a(b)(2)(i) and 560.5420a(c)(1)(iii)(A)-(B))	Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Specific Exception Claimed * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Starting Date for the Period the Well Operated Under the Exception * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iv))	Ending Date for the Period the Well Operated Under the Exception * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iv))
e.g. No onsite storage or combustion unit was available at the time of completion.	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: Technical infeasibility under 60.5375a(a)(3)	e.g.: 10/16/2016	e.g.: 10/18/2016
N/A	(b) (9)	Technical infeasibility under	6/10/2018	6/17/2018
N/A		Technical infeasibility under	12/8/2017	12/19/2017
N/A		Technical infeasibility under	12/10/2017	12/19/201
N/A		Technical infeasibility under	2/20/2018	2/26/201
N/A		Technical infeasibility under		
N/A		Technical infeasibility under	6/18/2018	6/22/201

nically infeasible to Route to the Gas Flow Line or Collection System, Re-inject into a Well, Use as an Onsite Fuel Source, or Use for Another Useful Purpose Served By a Purchased

Why the Well Meets the Claimed Exception * (960.5420a(b)(2)(i) and 960.5420a(c)(1)(iv))	Name of Nearest Gathering Line * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(B))	Location of Nearest Gathering Line * {\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(B)}	Technical Considerations Preventing Routing to this Line  (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(B))	Capture, Reinjection, and Reuse Technologies Considered * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))
e.g.: As further described in this report, technical successives prevented the use of the gas for useful purposes.	e.g.: ABC Line	e.g.: 100 miles away at 34.12345 latitude, -101.12345 longitude	e.g.: right of use	e.g.: on-site generators
Sas of suitable quality was sent to sales line, poor qu	ali Thunder Creek Gas Services	On site	Poor gas quality	Gas treatment including dehy
Sas of suitable quality was sent to sales line, poor qu	uali Western Gas Resources	On site	Poor gas quality	Gas treatment including dehy
Sas of suitable quality was sent to sales line, poor qu	uali Western Gas Resources	On site	Poor gas quality	Gas treatment including dehy
Well did not produce enough gas to flare or to be ro	ute Thunder Creek Gas Services	On site	Insufficient quantities	Gas treatment including dehy
nsufficient quantities for sales	Thunder Creek Gas Services	On site	Insufficient quantities for sales	Gas treatment including dehy

Fuel or Raw Material					
Aspects of Gas or Equipment Preventing Use of Recovered Gas as a Fuel Onsite * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Technical Considerations Preventing Use of Recovered Gas for Other Useful Purpose * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Additional Reasons for Technical Infeasibility * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Date of Onset of Flowback Following Hydraulic Fracturing or Refracturing (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Following Hydraulic
e.g.: gas quality	e.g. gas quality	e.g. well damage or clean-up	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: 10/16/16	e.g.: 10 a.m.
No equipment on site capab	Poor gas quality	None	N/A	N/A	N/A
No equipment on site capab	Poor gas quality	None	N/A	N/A	N/A
No equipment on site capab	Poor gas quality	None	N/A	N/A	N/A
No equipment on site capab	Poor gas quality	Insufficient quantities	N/A	N/A	N/A
No equipment on site capab	Poor gas quality, insufficient qua	None	N/A	N/A	N/A
No equipment on site capab	Poor gas quality, insufficient qua	None	N/A	N/A	N/A

#### Well Affected Facilities Meeting the Criteria of §60.5375a(a)(1)(iii)(A) - Not Hydraulically Fractured/Refractured with Liquids or Do Not Generate Condensate, Intermedia

Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (560.5420a(b)(2)(i) and 560.5420a(c)(1)(iii)(A) and (C))	Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Duration of Combustion in Hours * (§60.5420a(b)(2)(i) and 560.5420a(c)(1)(iii)(A) and (C))	Duration of Venting in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Reason for Venting in lieu of Capture Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(ii)(A) and (C))
e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 5	e.g.: 5	e.g.: 5	e.g: No onsite storage or combustion unit was available at the time of completion.
	e.g.: 10 a.m.	e.g.: 5 N/A		e.g.: 5 N/A	unit was available at the time of
N/A			N/A		unit was available at the time of completion.
N/A N/A	N/A	N/A	N/A N/A	N/A	unit was available at the time of completion. N/A
N/A N/A N/A	N/A N/A	N/A N/A	N/A N/A N/A	N/A N/A	unit was available at the time of completion.  N/A  N/A
e.g.: 10/16/16 N/A N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A	unit was available at the time of completion.  N/A  N/A  N/A

## te Hydrocarbon Liquids, or Produced Water (No Liquid Collection System or Seperator Onsite)

Does well still meet the conditions of \$60.5375a(1)(ii)(A)?* (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(C)(2))	If applicable Date Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	If applicable: Time Well Completion Operation Stopped * ((\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(C)(2))	If applicable: Date Separator Installed  ((\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(C)(2))	if applicable: Time Separator Installed ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))	reasonable inquiry, the statements and information in the document are true, accurate, and complete.
e.g.: Yes	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: No
e.g.: Yes	e.g.: 10/16/16 N/A	e.g.: 10 a.m.	e.g.: 10/16/16 N/A	e.g.: 10 a.m.	e.g.: No N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A

Well Affected Facilities Required to Comply with Both §60.5375a(a)(1) and (3) Using a Digital Photo in lieu of Records Required by §60.5420a(c)(1)(i) through (iv)	Well Affected Facilities	s Meeting the Criteria of §60.5375a(g) - <	300 scf of Gas per Stock Tank Barrel of Oil Produced
Please provide the file name that contains the Digital Photograph with Date Taken and Latitude and Longitude Imbedded (or with Visible GPS), Showing Required Equipment (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(v)) Please provide only one file per record.	Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(B))	Please provide the file name that contains the Record of Analysis Performed to Claim Well Meets §60.5375a(g), Including GOR Values for Established Leases and Data from Wells in the Same Basin and Field * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(A)) Please provide only one file per record.	Does the well meet the requriements of §60.5375a(g)?  Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *  ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(C))
e.g.; completion1.pdf or XYZCompressorStation.pdf	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: GORcalcs.pdf or XYZCompressorStation.pdf	e.g.; Yes
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After Septem For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the com

The asterisk (\*) next to each field indicates that the corresponding field is required.

(Select from dropdown list - may need to scroll up )	Identification of Each Affected Facility * (§60.5420a(b)(1))	Date of Survey * (§60.5420a(b)(7)(i))	Survey Begin Time * (§60.5420a(b)(7)(ii))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * (§60.5420a(b)(7)(iii))	Ambient Temperature During Survey * (§60.5420a(b)(7)(iv))
	e.g.: Well Site ABC	e.g.: 8/13/17	e.g.: 10:00 am	e.g.: 1:00 pm		e.g.: 90°F
2	Atwood Laur 2-19H	9/27/2017	8:24 AM	9:47 AM	(b) (6)	48 °F
3	and 2-19TH Well Pad	6/14/2018	9:50 AM	10:53 AM		82 °F
4		12/5/2017	8:00 AM	9:00 AM		20 °F
5	Bridle Bit 1-28PH and Bridle Bit 1- 28TH Well Pad	6/13/2018	6:28 PM	7:22 PM		88 °F
6		9/28/2017	11:49 AM	12:45 PM		65 °F
	Dry Fork 1-19H	6/14/2018	5:35 PM	6:24 PM		90 °F
7		12/5/2017	11:58 AM	1:20 PM		30 °F
9	Iberlin 1-6H, 1-6TH, 2-7H, and 2-7TH Well Pad					

10		6/14/2018	11:02 AM	12:38 PM	(b) (6)	91 °F
11	lberlin 1-8-5H and lberlin 1-8TH Well Pad	3/13/2018	8:30 AM	11:10 AM		27 <b>"</b> F
		9/27/2017	3:14 PM	4:11 PM		64 °F
13	lberlin 1-16H	6/14/2018	3:00 PM	3:44 PM		95 *F
14	lberlin 1-24-13H and Iberlin 1-24TH Well Pad	3/13/2018	11:20 AM	12:20 PM		42 °F
17		9/26/2017	3:28 PM	4:28 PM		\$7 <b>*</b> F
	Roush Fed 1-1TH	6/14/2018	7:34 AM	8:36 AM		75 <b>°</b> F
18		9/28/2017	4:14 PM	5:26 PM		66 <b>°</b> F
19	Suchan Fed 1-15H ; and Suchan Fed 1- 1STH Well Pad	6/14/2018	1:45 PM	2:58 PM		100 °F

Survey * (§60.5420a(b)(7)(iv))	Maximum Wind Speed During Survey • (§60.5420a(b)(7)(iv))	Monitoring Instrument Used * (§60.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Number of Each Componen Type for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))
.g.: Sunny, no clouds	e.g.: 2 mph	e.g.: Company ABC optical gas imaging camera	e.g.; None	e.g.: Valve	e.g.: 3
				Flange	1
		FLIR Camera Model		Gauge	1
Clear sky, cloudless	3 mph	#GF320	None	Valves	2
				Pipe Fittings	1
				Recycle Pump	1
				Whistler on Tank	1
Partly Cloudy - Scattered, 10-50%	10 mph	FLIR Camera Model #GF320	None	Pipe Fittings	1
				16.	
	13 mph	FLIR Camera Model #GF320	None	Whistler Valve	1
Partly Cloudy -					
Scattered, 10-50%	1000				
				Controllers	3
	3 mph	FLIR Camera Model #GF320	None	Thief Hatch	1
Clear sky, cloudless				Pipe Fittings	1
				Valve	1
Partly Cloudy -		FLIR Camera Model		Oil Load Out	1
Scattered, 10-50%	6 mph	#GF320	None	Pipe Fittings	1
				Valve	1
Partly Cloudy -		FLIR Camera Model		Tank Manway	1
Broken, 50-90%	12 mph	#GF320	None		
				Valve	1
Death Clark	Mest	FLIR Camera Model	Nerr		
Partly Cloudy	14 mph	#GF320	None		
					*
				Whistler on Tank	2
				Connectors	4

Partly Cloudy -	16 mph	FLIR Camera Model	None	Compressor Meter	i i
Scattered, 10-50%	10p	#GF320	None		
				Tank Load Out	· ·
				•	•
			Initial monitoring survey for Iberlin 1-8-5H occurred 98	Connectors	1
		FLIR Camera Model	days after startup of production.	Whistler on Tank	1
Clear sky, cloudless	5 mph	#GF320	Initial monitoring survey for Iberlin 1-8TH occurred 93	Pipe Fittings	3
	  -		days after startup of	•	•
			production.	Combustor Hammer Union	1
Partly Cloudy -		FLIR Camera Model		Tank Sight Glass	1
Scattered, 10-50%	2 mph	#GF320	None		<del>-</del>
				Valve	1
				Connectors	1
				Whistler on Tank	1
Partly Cloudy - Broken, 50-90%	13 mph	FLIR Camera Model #GF320	None		
				Flange	1
				•	•
				Whistler on Tank	1
		FLIR Camera Model		-	
Clear sky, cloudless	7 mph	#GF320	None	· ·	
	<u> </u>			Pipe Fittings	1
Partly Cloudy -		SUB Common Model			
8roken, 50-90%	5 mph	FLIR Camera Model #GF320	None	Thief Hatch	1
}				Thief Hatch Bolt	2
				· · · · · · · · · · · · · · · · · · ·	<del></del>
Partly Cloudy -		FLIR Camera Model		Valve	1
Scattered, 10-50%	6 mph	#GF320	None	Connectors	
				Combustor Hammer Union	1
				Whistler on Tank	1
				Pipe Fittings	1
Partly Cloudy -		FLIR Camera Model		Thief Hatch	3
Scattered, 10-50%	2 mph	#GF320	None	Valve	1
				-	
					<u></u>
				Separator Sight Glass	1
Death Clark		5ND C		Valve	1
Partly Cloudy - Scattered, 10-50%	11 mph	FLIR Camera Model #GF320	None	Meter Hammer Union	1
				Whistler on Tank	1
				Tank Vents Open	2
			1		

Type of Component Not Repaired as Required in §60.5397a(h) * (§60.5420a(b)(7)(viii))	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (§60.5420a(b)(7)(viii))	Type of Difficult-to- Monitor Components Monitored * (§60.5420a(b)(7)(ix))	Number of Each Difficult- to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Type of Unsafe-to- Monitor Component Monitored * (§60.5420a(b)(7)(ix))	Number of Each Unsafe to-Monitor Componen Type Monitored * (§60.5420a(b)(7)(ix))
g.: Valve	e.g.: 1	e.g.: Valve	e.g.: 1	e.g.:Valve	e.g.: 1
		-	-		
-				*	
			-		
		-			
		3-PH Heater Treater	20	Pneumatic Controllers	7
					,
Whistler on Tank	1	3-PH HP Separator	4		
		2-PH Free Water Knockout	15	,	
	,	Fittings on Tank Vapor Piping	12	-	
		Inlet Fittings of Heater Treater	14		
	•		+		
			1		-
		3-PH Heater Treater	20	Pneumatic Controllers	3
		2-PH Free Water Knockout	5		
		Fittings on Tank Vapor Piping	11		
		Inlet Fittings of Heater Treater	14		
÷				No Unsafe-to-Monitor	N/A
			-	Components	
					L
		3-PH Heater Treater	10		
	-	2-PH Free Water Knockout	5	No Unsafe-to-Monitor	N/A
		Fittings on Tank Vapor Piping	5	Components	N/A
		Inlet Fittings of Heater Treater	7		
		-	-		
				No Unsafe-to-Monitor	N/A
				Components	10/2
Whistler on Tank	2	3-PH Heater Treater	40		
		3-PH HP Separator	8		

		2-PH Free Water Knockout	20	No Unsafe-to-Monitor Components	N/A
-	-	Fittings on Tank Vapor Piping	22		
•	-	Inlet Fittings of Heater Treater	28		
	-	3-PH Heater Treater	20	-	-
-		2-PH Free Water	15	No Unsafe-to-Monitor	
-	-	Knockout Fittings on Tank Vapor	- —· 8	Components	N/A
		Piping Inlet Fittings of Heater	14		
		Treater			
				No Unsafe-to-Monitor	
		· ·	- — - <del></del>	Components	N/A
	·				
		3-PH Heater Treater	10		
		2-PH Free Water	5	No Hood to the	
		Knockout Fittings on Tank Vapor	s	No Unsafe-to-Monitor Components	N/A
-		Piping Inlet Fittings of Heater	7		
-	•	Treater	<u> </u>		
·	<del>-</del>	3-PH Heater Treater 2-PH Free Water	20		
	• • • • • • • • • •	Knockout Fittings on Tank Vapor	15	No Unsafe-to-Monitor Components	N/A
	· · · · · · · · · · · · · · · · · · ·	Piping	8	Components	
•	•	Inlet Fittings of Heater Treater	14		_
			·		
	-			No Unsafe-to-Monitor	N/A
•		<del></del> :	· - <del>:</del>	Components	
·					
	•	3-PH Heater Treater	. 10		
		3-PH HP Separator	4		
•		2-PH Free Water Knockout	10	No Unsafe-to-Monitor Components	N/A
		Fittings on Tank Vapor Piping	14		
	•	Inlet Fittings of Heater Treater	7		
	•	•	•	•	•
	•		-	-	-
	•		-	-	
	•	•		-	
		3-PH Heater Treater	30	Pneumatic Controllers	21
Valve	1	3-PH HP Separator	8		
		2-PH Free Water			_
Meter Hammer Union	1	Knockout Fittings on Tank Vapor	25		•
	-	Piping Inlet Fittings of Heater	19	-	•
·	•	Treater	21	-	·

Date of Successful Repair of Fugitive Emissions Component * (§60.5420a(b)(7)(x))	Type of Component Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Number of Each Component Type Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Explanation for Delay of Repair * (§60.5420a(b)(7)(xi))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey * (§60.5420a(b)(7)(xii))
g.: 11/10/16	e.g.: Valve	e.g.: 1	e.g.: Unsafe to repair until next shutdown	e.g.: Company ABC optical ga imaging camera
10/3/2017				Method 21 Alternative Screening Procedure 8.3.3
10/3/2017				Method 21 Alternative Screening Procedure 8.3.3
10/3/2017			-	Method 21 Alternative Screening Procedure 8.3.3
10/3/2017	-	-	-	Method 21 Alternative Screening Procedure 8.3.3
6/18/2018			-	Method 21 Alternative Screening Procedure 8.3.3
7/18/2018	Whistler on Tank	1	Parts on backorder	Method 21 Alternative Screening Procedure 8.3.3
6/18/2018	-	1.0		Method 21 Alternative Screening Procedure 8.3.3
	-	*	*	
		-		
1/7/2018				Method 21 Alternative Screening Procedure 8.3.3
		-		
6/19/2018				Method 21 Alternative Screening Procedure 8.3.3
6/19/2018		-		Method 21 Alternative Screening Procedure 8.3.3
6/19/2018		-	-	Method 21 Alternative Screening Procedure 8.3.3
				-
- tra bass				Method 21 Alternative
9/28/2017				Screening Procedure 8.3.3
9/28/2017				Method 21 Alternative Screening Procedure 8.3.3
9/28/2017		-		Method 21 Alternative Screening Procedure 8.3.3
6/14/2018	-	-	-	Method 21 Alternative Screening Procedure 8.3.3
6/14/2018		74		Method 21 Alternative Screening Procedure 8.3.3
			-	-
12/7/2017			-	Method 21 Alternative Screening Procedure 8.3.3
			+	
*				
7/30/2018	Whistler on Tank	2	Parts on backorder	Method 21 Alternative Screening Procedure 8.3.3
6/16/2018				Method 21 Alternative Screening Procedure 8.3.3

r	- <sub>1</sub>	1	r	l
6/16/2018				Method 21 Alternative
		<u> </u>		Screening Procedure 8.3.3 Method 21 Alternative
6/16/2018	•	•	•	Screening Procedure 8.3.3
		· <del>-</del>		. 77 77 18 17 14 14 14 14 14 14 14 14 14 14 14 14 14
<u> </u>		•	-	<u> </u>
3/13/2018				Repaired During Original Survey
2/24/2010	· · · · · · · · · · · · · · · · · · ·			Method 21 Alternative
3/21/2018	· - <del></del>			Screening Procedure 8.3.3
3/21/2018				Method 21 Alternative
	<del></del>		· · · · · · · · · · · · · · · · · · ·	Screening Procedure 8.3.3
-	•	-	-	•
0/20/2017	<del>-</del>			Method 21 Alternative
9/29/2017		<u> </u>	· · · · · · · · · · · · · · · · · · ·	Screening Procedure 8.3.3
9/29/2017				Method 21 Alternative
<u> </u>	<del> </del>		·	Screening Procedure 8.3.3 Method 21 Alternative
9/29/2017	•			Screening Procedure 8.3.3
	· · · · · · · · · · · · · · · · · · ·			-
7/10/2010	1		T	Method 21 Alternative
7/18/2018	.	ļ	ļ	Screening Procedure 8.3.3
7/18/2018				Method 21 Alternative
	·			Screening Procedure 8.3.3
7/18/2018	•	•		Method 21 Alternative Screening Procedure 8.3.3
	·		·	Screening Procedure 8.3.3
•	•	•	•	•
7/18/2018	Whistler on Tank	1	Parts on backorder	Method 21 Alternative
// 10/2010	venistier on rank		- Parts on backorder	Screening Procedure 8.3.3
				•
	-			-
			-	
	•	•	•	•
9/30/2017	1 .		_	Method 21 Alternative
				Screening Procedure 8.3.3
9/30/2017			-	Method 21 Alternative Screening Procedure 8.3.3
	··· <del>· · · · · · · · · · · · · · · · · </del>	<u> </u>	· · ·	Screening Procedure 8.3.3
	·		· ·	•
•				<del>.</del>
6/22/2018			T	Method 21 Alternative
- 0/22/2016 —				Screening Procedure 8.3.3
6/22/2018				Method 21 Alternative
				Screening Procedure 8.3.3 Method 21 Alternative
6/22/2018	·		· ·	Screening Procedure 8.3.3
			· · · · · · · · · · · · · · · · · · ·	Method 21 Alternative
6/22/2018	1		<u> </u>	Screening Procedure 8.3.3
7/17/2018	Whistler on Tank	1	Parts on backorder	Method 21 Alternative
//1//2018	**************************************	•	r ares un oackorder	Screening Procedure 8.3.3
9/28/2017				Repaired During Original
, , , , , , , , , , , , , , , , , , , ,				Survey
10/14/2017				Method 21 Alternative Screening Procedure 8.3.3
				Method 21 Alternative
10/14/2017				Screening Procedure 8.3.3
				•
<del>-</del>		L	<b> </b>	
6/18/2018				Method 21 Alternative
, , ,				Screening Procedure 8.3.3
7/17/2018	Valve	1	Needed well shut down	Method 21 Alternative Screening Procedure 8.3.3
			l	Method 21 Alternative
7/17/2018	Meter Hammer Union	1	Needed well shut down	Screening Procedure 8.3.3
6/18/2018				Method 21 Alternative
3/10/1010				Screening Procedure 8.3.3
6/14/2018				None, tanks were closed
	<u> </u>		L	

OGI	Compressor Station Affected Facility Only			
Training and Experience of Surveyor * (§60.5420a(b)(7)(iii))	Was a monitoring survey waived under § 60.5397a(g)(5)? * (§60.5420a(b)(7))	If a monitoring survey was waived, the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived. *  (§60.5420a(b)(7))		
g.: Trained thermographer; completed 40-hour course at YZ Training Center. Has 10 years of experience with OGI urveys.	e.g.: Yes	e.g.: January; February; and March		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
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Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A		
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations				

each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A
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Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A
Method 9 certified since October 2015. Recertified every 6 months since then. Conducted Method 22 observations each quarter since March 2016. Certified Optical Gas Imaging Thermographer from Infrared Training Center (March 2016). Used FLIR Optical Gas Imaging Camera at Peak sites since June 2016.	N/A	N/A